LUMILUX T5 HE

Tubular fluorescent lamps 16 mm, high efficiency

Areas of application

- Public buildings
- Offices
- Shops
- Supermarkets and department stores
- Industry

Product benefits

- Good economy and efficiency
- Up to 20 % more economical than LUMILUX T8
- Up to 50 % smaller volume than comparable T8 lamps
- Natural colors

Product features

- Luminous efficacy: up to 104 lm/W
- Very good lumen maintenance: 90 % throughout the service lifetime of the lamp
- Long average lifetime: up to 24,000 h (with QUICKTRONIC ECG)
- Good color rendering group: 1B (R_a: 80...89)
- Dimmable

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Technical data

	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
Product description	**Nominal wattage**	**Color rendering index Ra**	**Luminous flux at 25 °C**	**Luminous flux at 35 °C**	**Color temperature**	**Light color as per EN 12464-1**	**Tube diameter**	**Length with base excl. base pins/connection**	**Rated ambient temp.w. max.luminous flux**	**Service life**
HE 14 W/827 [1)]	14.00 W	≥80	1200 lm	1350 lm	2700 K	LUMILUX INTERNA	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 14 W/830 [1)]	14.00 W	≥80	1200 lm	1350 lm	3000 K	LUMILUX Warm White	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 14 W/830 [1)]	14.00 W	80...89	1200 lm	1350 lm	3000 K	LUMILUX Warm White	16 mm	549.00 mm	35.0 °C	
HE 14 W/835 [1)]	14.00 W	≥80	1200 lm	1350 lm	3500 K	LUMILUX White	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 14 W/840 [1)]	14.00 W	≥80	1200 lm	1350 lm	4000 K	LUMILUX Cool White	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 14 W/840 [1)]	14.00 W	80...89	1200 lm	1350 lm	4000 K	LUMILUX Cool White	16 mm	549.00 mm	35.0 °C	
HE 14 W/865 [1)]	14.00 W	≥80	1100 lm	1300 lm	6500 K	LUMILUX Cool Daylight	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 14 W/865 [1)]	14.00 W	80...89	1100 lm	1300 lm	6500 K	LUMILUX Cool Daylight	16 mm	549.00 mm	35.0 °C	
HE 14 W/880 [1)]	14.00 W	≥80	1080 lm	1150 lm	8000 K	LUMILUX SKYWHITE	16 mm	549.00 mm	35.0 °C	19000 h [2)]
HE 21 W/827 [1)]	20.60 W	≥80	1900 lm	2100 lm	2700 K	LUMILUX INTERNA	16 mm	849.00 mm	35.0 °C	19000 h [2)]
HE 21 W/830 [1)]	20.60 W	≥80	1900 lm	2100 lm	3000 K	LUMILUX Warm White	16 mm	849.00 mm	35.0 °C	19000 h [2)]
HE 21 W/830 [1)]	20.60 W	80...89	1900 lm	2100 lm	3000 K	LUMILUX Warm White	16 mm	849.00 mm	35.0 °C	

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	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
Product description	**Nominal wattage**	**Color rendering index Ra**	**Luminous flux at 25 °C**	**Luminous flux at 35 °C**	**Color temperature**	**Light color as per EN 12464-1**	**Tube diameter**	**Length with base excl. base pins/connection**	**Rated ambient temp.w. max.luminous flux**	**Service life**
HE 21 W/840 [1)]	20.60 W	≥80	1900 lm	2100 lm	4000 K	LUMILUX Cool White	16 mm	849.00 mm	35.0 °C	19000 h [2)]
HE 21 W/840 [1)]	20.60 W	80...89	1900 lm	2100 lm	4000 K	LUMILUX Cool White	16 mm	849.00 mm	35.0 °C	
HE 21 W/865 [1)]	20.60 W	≥80	1750 lm	2000 lm	6500 K	LUMILUX Cool Daylight	16 mm	849.00 mm	35.0 °C	19000 h [2)]
HE 21 W/865 [1)]	20.60 W	80...89	1750 lm	2000 lm	6500 K	LUMILUX Cool Daylight	16 mm	849.00 mm	35.0 °C	
HE 21 W/880 [1)]	20.60 W	≥80	1700 lm	1850 lm	8000 K	LUMILUX SKYWHITE	16 mm	849.00 mm	35.0 °C	19000 h [2)]
HE 28 W/827 [1)]	27.90 W	≥80	2600 lm	2900 lm	2700 K	LUMILUX INTERNA	16 mm	1149.00 mm	35.0 °C	19000 h [2)]
HE 28 W/830 [1)]	27.90 W	≥80	2600 lm	2900 lm	3000 K	LUMILUX Warm White	16 mm	1149.00 mm	35.0 °C	19000 h [2)]
HE 28 W/830 [1)]	28.00 W	80...89	2600 lm	2900 lm	3000 K	LUMILUX Warm White	16 mm	1149.00 mm	35.0 °C	
HE 28 W/835 [1)]	27.90 W	≥80	2600 lm	2900 lm	3500 K	LUMILUX White	16 mm	1149.00 mm	35.0 °C	19000 h [2)]
HE 28 W/840 [1)]	27.90 W	≥80	2600 lm	2900 lm	4000 K	LUMILUX Cool White	16 mm	1149.00 mm	35.0 °C	19000 h [2)]
HE 28 W/840 [1)]	28.00 W	80...89	2600 lm	2900 lm	4000 K	LUMILUX Cool White	16 mm	1149.00 mm	35.0 °C	
HE 28 W/865 [1)]	27.90 W	≥80	2400 lm	2750 lm	6500 K	LUMILUX Cool Daylight	16 mm	1149.00 mm	35.0 °C	19000 h [2)]

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	Electrical data	Photometrical data					Dimensions & weight		Temperatures	Lifespan
Product description	**Nominal wattage**	**Color rendering index Ra**	**Luminous flux at 25 °C**	**Luminous flux at 35 °C**	**Color temperature**	**Light color as per EN 12464-1**	**Tube diameter**	**Length with base excl. base pins/connection**	**Rated ambient temp.w. max.luminous flux**	**Service life**
HE 28 W/865 [1)]	28.00 W	80...89	2400 lm	2750 lm	6500 K	LUMILUX Cool Daylight	16 mm	1149.00 mm	35.0 °C	
HE 28 W/880 [1)]	27.90 W	≥80	2350 lm	2690 lm	8000 K	LUMILUX SKYWHITE	16 mm	1149.00 mm	35.0 °C	19000 h [2)]
HE 35 W/827 [1)]	35.50 W	≥80	3320 lm	3650 lm	2700 K	LUMILUX INTERNA	16 mm	1449.00 mm	35.0 °C	19000 h [2)]
HE 35 W/830 [1)]	35.50 W	≥80	3320 lm	3650 lm	3000 K	LUMILUX Warm White	16 mm	1449.00 mm	35.0 °C	19000 h [2)]
HE 35 W/835 [1)]	35.50 W	≥80	3320 lm	3650 lm	3500 K	LUMILUX White	16 mm	1449.00 mm	35.0 °C	19000 h [2)]
HE 35 W/840 [1)]	35.50 W	≥80	3320 lm	3650 lm	4000 K	LUMILUX Cool White	16 mm	1449.00 mm	35.0 °C	19000 h [2)]
HE 35 W/865 [1)]	35.50 W	≥80	3050 lm	3500 lm	6500 K	LUMILUX Cool Daylight	16 mm	1449.00 mm	35.0 °C	19000 h [2)]

		Additional product data		Capabilities		Certificates & standards	
Product description	**Lifespan**	**Base (standard designation)**	**Appropriate disposal acc. to WEEE**	**Dimmable**	**Suitable for indoor**	**Energy consumption**	**Energy efficiency class**
HE 14 W/827 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A+
HE 14 W/830 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A+
HE 14 W/830 [1)]	24000 h [2)]	G5	Yes		Yes	16 kWh/1000h	A+
HE 14 W/835 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A+

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		Additional product data		Capabilities		Certificates & standards	
Product description	**Lifespan**	**Base (standard designation)**	**Appropriate disposal acc. to WEEE**	**Dimmable**	**Suitable for indoor**	**Energy consumption**	**Energy efficiency class**
HE 14 W/840 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A+
HE 14 W/840 [1)]	24000 h [2)]	G5	Yes		Yes	16 kWh/1000h	A+
HE 14 W/865 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A+
HE 14 W/865 [1)]	24000 h [2)]	G5	Yes		Yes	16 kWh/1000h	A
HE 14 W/880 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	16 kWh/1000h	A
HE 21 W/827 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	23 kWh/1000h	A+
HE 21 W/830 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	23 kWh/1000h	A+
HE 21 W/830 [1)]	24000 h [2)]	G5	Yes		Yes	23 kWh/1000h	A+
HE 21 W/840 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	23 kWh/1000h	A+
HE 21 W/840 [1)]	24000 h [2)]	G5	Yes		Yes	23 kWh/1000h	A
HE 21 W/865 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	23 kWh/1000h	A+
HE 21 W/865 [1)]	24000 h [2)]	G5	Yes		Yes	23 kWh/1000h	A+
HE 21 W/880 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	23 kWh/1000h	A+
HE 28 W/827 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 28 W/830 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 28 W/830 [1)]	24000 h [2)]	G5	Yes		Yes	31 kWh/1000h	A+
HE 28 W/835 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 28 W/840 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 28 W/840 [1)]	24000 h [2)]	G5	Yes		Yes	31 kWh/1000h	A+
HE 28 W/865 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 28 W/865 [1)]	24000 h [2)]	G5	Yes		Yes	31 kWh/1000h	A+
HE 28 W/880 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	31 kWh/1000h	A+
HE 35 W/827 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	40 kWh/1000h	A+
HE 35 W/830 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	40 kWh/1000h	A+

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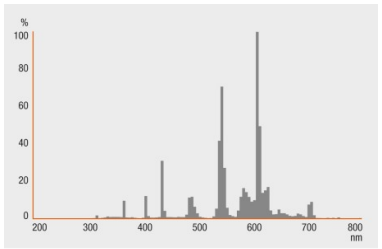
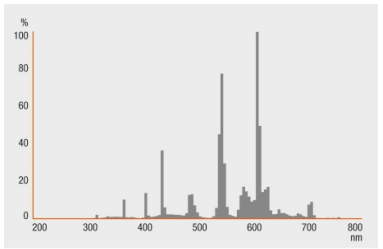
		Additional product data		Capabilities		Certificates & standards	
Product description	**Lifespan**	**Base (standard designation)**	**Appropriate disposal acc. to WEEE**	**Dimmable**	**Suitable for indoor**	**Energy consumption**	**Energy efficiency class**
HE 35 W/835 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	40 kWh/1000h	A+
HE 35 W/840 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	40 kWh/1000h	A+
HE 35 W/865 [1)]	24000 h [2)]	G5	Yes	Yes	Yes	40 kWh/1000h	A+

1) Suitable for ECG operation only/Lamp designed for internal luminaire temperatures of 30...40 °C; optimum luminous flux achieved at 35 °C

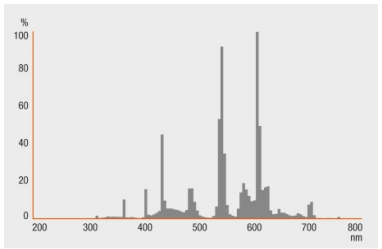
2) With preheat ECG



HE 14 W/827, HE 21 W/827, HE 28 W/827, HE 35 W/827



HE 14 W/830, HE 21 W/830, HE 28 W/830, HE 35 W/830



HE 14 W/835, HE 28 W/835, HE 35 W/835

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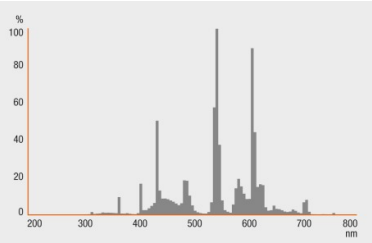
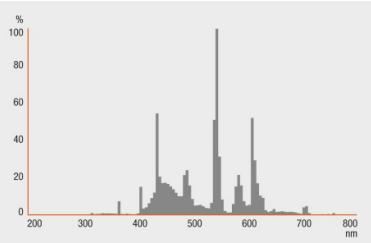
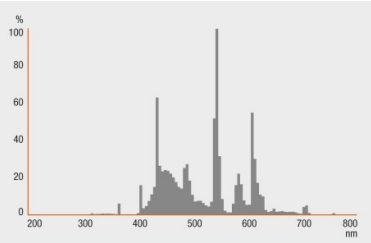


HE 14 W/840, HE 21 W/840, HE 28 W/840, HE 35 W/840



HE 14 W/865, HE 21 W/865, HE 28 W/865, HE 35 W/865



HE 14 W/880, HE 21 W/880, HE 28 W/880

System guarantee

OSRAM System+ Guarantee in combination with OSRAM ECGs

Safety advice

In case of lamp breakage: www.osram.com/brokenlamp

Application advice

For more detailed application information and graphics please see product datasheet.

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321916020	HE 14 W/827	Shipping carton box 10	633 mm x 54 mm x 232 mm	7.93 dm^3	959.00 g
4050300645919	HE 14 W/827	Shipping carton box 20	582 mm x 83 mm x 104 mm	5.02 dm^3	1371.00 g
4050300645933	HE 14 W/827	Shipping carton box 40	598 mm x 95 mm x 198 mm	11.25 dm^3	2580.00 g
4050300464824	HE 14 W/830	Shipping carton box 40	600 mm x 83 mm x 194 mm	9.66 dm^3	2449.00 g
4050300591520	HE 14 W/830	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm^3	1503.00 g
4008321891129	HE 14 W/830	Shipping carton box 50	600 mm x 204 mm x 123 mm	15.06 dm^3	3742.00 g
4050300771991	HE 14 W/835	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm^3	1503.00 g
4008321916013	HE 14 W/840	Shipping carton box 10	633 mm x 46 mm x 232 mm	6.76 dm^3	959.00 g
4050300464688	HE 14 W/840	Shipping carton box 40	598 mm x 95 mm x 198 mm	11.25 dm^3	2580.00 g
4050300591384	HE 14 W/840	Shipping carton box 20	587 mm x 90 mm x 129 mm	6.82 dm^3	1503.00 g
4008321891143	HE 14 W/840	Shipping carton box 50	600 mm x 204 mm x 123 mm	15.06 dm^3	3742.00 g
4050300464848	HE 14 W/865	Shipping carton box 40	600 mm x 95 mm x 232 mm	13.22 dm^3	2449.00 g
4050300591544	HE 14 W/865	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm^3	1349.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321891167	HE 14 W/865	Shipping carton box 50	600 mm x 204 mm x 123 mm	15.06 dm^3	3742.00 g
4008321225009	HE 14 W/880	Shipping carton box 20	587 mm x 90 mm x 110 mm	5.81 dm^3	1503.00 g
4008321912138	HE 21 W/827	Shipping carton box 10	933 mm x 46 mm x 232 mm	9.96 dm^3	1394.00 g
4050300645957	HE 21 W/827	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm^3	2134.00 g
4050300645971	HE 21 W/827	Shipping carton box 40	781 mm x 83 mm x 314 mm	20.35 dm^3	3394.00 g
4050300464800	HE 21 W/830	Shipping carton box 40	900 mm x 92 mm x 194 mm	16.06 dm^3	3622.00 g
4050300591506	HE 21 W/830	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm^3	2134.00 g
4008321891181	HE 21 W/830	Shipping carton box 50	899 mm x 204 mm x 123 mm	22.56 dm^3	5970.00 g
4008321912114	HE 21 W/840	Shipping carton box 10	933 mm x 46 mm x 232 mm	9.96 dm^3	1394.00 g
4050300464701	HE 21 W/840	Shipping carton box 40	900 mm x 88 mm x 194 mm	15.36 dm^3	3530.00 g
4050300591407	HE 21 W/840	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm^3	2134.00 g
4008321891204	HE 21 W/840	Shipping carton box 50	899 mm x 204 mm x 123 mm	22.56 dm^3	5970.00 g
4050300464626	HE 21 W/865	Shipping carton box 40	897 mm x 90 mm x 196 mm	15.82 dm^3	3673.20 g
4050300591322	HE 21 W/865	Shipping carton box 20	882 mm x 83 mm x 104 mm	7.61 dm^3	2158.67 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321891228	HE 21 W/865	Shipping carton box 50	899 mm x 204 mm x 123 mm	22.56 dm^3	5970.00 g
4008321224989	HE 21 W/880	Shipping carton box 20	887 mm x 90 mm x 110 mm	8.78 dm^3	2134.00 g
4008321916044	HE 28 W/827	Shipping carton box 10	1233 mm x 46 mm x 232 mm	13.16 dm^3	1916.67 g
4050300645995	HE 28 W/827	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4050300646015	HE 28 W/827	Shipping carton box 40	1198 mm x 95 mm x 198 mm	22.53 dm^3	5234.00 g
4050300464787	HE 28 W/830	Shipping carton box 40	1200 mm x 94 mm x 194 mm	21.88 dm^3	4813.00 g
4050300591483	HE 28 W/830	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4008321891242	HE 28 W/830	Shipping carton box 50	1200 mm x 204 mm x 123 mm	30.11 dm^3	7690.00 g
4050300776392	HE 28 W/835	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4008321916037	HE 28 W/840	Shipping carton box 10	1233 mm x 46 mm x 232 mm	13.16 dm^3	1904.33 g
4050300464725	HE 28 W/840	Shipping carton box 40	1200 mm x 83 mm x 194 mm	19.32 dm^3	4813.00 g
4050300591421	HE 28 W/840	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4008321891266	HE 28 W/840	Shipping carton box 50	1200 mm x 204 mm x 123 mm	30.11 dm^3	7690.00 g
4050300464640	HE 28 W/865	Shipping carton box 40	1200 mm x 92 mm x 194 mm	21.42 dm^3	4813.00 g

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Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300591346	HE 28 W/865	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4008321891280	HE 28 W/865	Shipping carton box 50	1200 mm x 204 mm x 123 mm	30.11 dm^3	7690.00 g
4008321153517	HE 28 W/880	Shipping carton box 20	1182 mm x 83 mm x 104 mm	10.20 dm^3	2712.50 g
4050300646039	HE 35 W/827	Shipping carton box 20	1482 mm x 93 mm x 104 mm	14.33 dm^3	3450.00 g
4050300646053	HE 35 W/827	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm^3	6258.00 g
4050300464763	HE 35 W/830	Shipping carton box 40	1500 mm x 93 mm x 194 mm	27.06 dm^3	6258.00 g
4050300591469	HE 35 W/830	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm^3	3450.00 g
4050300776415	HE 35 W/835	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm^3	3450.00 g
4050300464749	HE 35 W/840	Shipping carton box 40	1500 mm x 94 mm x 194 mm	27.35 dm^3	6258.00 g
4050300591445	HE 35 W/840	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm^3	3450.00 g
4050300464664	HE 35 W/865	Shipping carton box 40	1500 mm x 83 mm x 194 mm	24.15 dm^3	6258.00 g
4050300591360	HE 35 W/865	Shipping carton box 20	1482 mm x 83 mm x 104 mm	12.79 dm^3	3450.00 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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References / Links

For more information on the system guarantee and the terms and conditions of the guarantee visit

- www.osram.com/system-guarantee

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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